

Attachment A

Power of Attorney to Prosecute Applications Before the USPTO

Applicant/Patent Owner: **SpringWorks LLC** hereby states that they are the assignee of the entire right, title and interest as listed below by virtue of an assignment from the inventor(s) of the patent application/patent. The assignment was recorded in the United States Patent and Trademark Office at the Reel and Frame number listed below or for which a copy therefore is attached.

| Attorney Docket No. | Application Number / Patent Number | Appl. Date/ Issued Date | Inventors | Title | Current Owner | Chain of Title | Assignment Reel/Frame | Recorded Date |
|---------------------|------------------------------------|-------------------------|--|---|-----------------|--|-------------------------------|--------------------------|
| 43668.3 | 11/191,643 | 7/27/2005 | H. Zhang M. Narasimhan R. Mullapudi R. Demaray | Biased Pulse DC Reactive Sputtering Of Oxide Films | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 014766 / 0601 20134 / 0102 | 12/2/2003 11/19/2007 |
| 43668.4 | 11/100,856 | 4/6/2005 | T. Pan R. Demaray Y. Chen Y. Xie R. Pethe | Mode Size Converter For A Planar Waveguide | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 020035 / 0110 20134 / 0102 | 10/30/2007 11/19/2007 |
| 43668.5 | 10/850,968 | 5/20/2004 | R. Demaray M. Narasimhan | Transparent Conductive Oxides | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 014945 / 0661 20134 / 0102 | 8/4/2004 11/19/2007 |
| 43668.22 | 10/650,461 | 8/27/2003 | D. Dawes | Optically Coupling Into Highly Uniform Waveguides | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 014897 / 0768 20134 / 0102 | 1/16/2007 11/19/2007 |
| 43668.39 | 11/726,972 | 3/22/2007 | R. Demaray H. Zhang M. Narasimhan V. Milonopoulou | Energy Conversion And Storage Devices By Physical Vapor Deposition Of Titanium And Titanium Oxides And Sub-Oxides | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 014948 / 0097 20134 / 0102 | 8/5/2004 11/19/2007 |
| 43668.44 | 11/297,057 | 12/7/2005 | H. Zhang R. Demaray M. Shao | Deposition Of LiCoO2 | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 017196 / 0699 20134 / 0102 | 12/21/2006 11/19/2007 |
| 43668.53 | 11/218,652 | 9/2/2005 | H. Zhang R. Demaray | Deposition Of Perovskite And Other Compound Ceramic Films From Dielectric Applications | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 016821 / 0220 20134 / 0102 | 11/28/2005 11/19/2007 |
| 43668.6 | 10/291,179 US Pat No. 7,404,877 | ISSUED - 7/29/08 | R. Demaray, V. Milonopoulou | Low temperature zirconia based thermal barrier layer by PVD | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 014756 / 0416 20134 / 0102 | 12/2/2003 11/19/2007 |

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|---------------------|--------------------------------------|-------------------------|---|---|-----------------|--|-------------------------------|--------------------------|
| 43668.8 | 09/903,050 US Pat No. 6,506,289 | ISSUED - 1/14/03 | R. Demaray, K. Wang, R. Mullapudi, D. Stadler, H Zhang, R. Peth | Planar optical devices and methods for their manufacture | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 012010 / 0318 20134 / 0102 | 07/10/2001 11/19/2007 |
| 43668.9 | 10/288,278 US Pat No. 6,827,826 | ISSUED - 12/7/04 | R. Demaray, K. Wang, R. Mullapudi, D. Stadler, H Zhang, R. Peth | Planar optical devices and methods for their manufacture | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 012010 / 0318 20134 / 0102 | 07/10/2001 11/19/2007 |
| 43668.13 | 09/766,463 U.S. Pat No. 6,533,907 | ISSUED - 3/18/03 | R. Demaray, J. Shan, K. Wang, R. Mullapudi | Method of Producing amorphous silicon for hard mask and waveguide applications | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 011504 / 0738 20134 / 0102 | 01/19/2001 11/19/2007 |
| 43668.14 | 09/903,081 US Pat No. 7,469,558 | ISSUED - 12/30/08 | R. Demaray, K. Wang, R. Mullapudi, Q. Zhu, H. Zhang, H. Ackler, J. Egermeier, R. Peth | As-deposited planar optical waveguides with low scattering loss and methods for their manufacture | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 012010 / 0752 20134 / 0102 | 07/10/2001 11/19/2007 |
| 43668.15 | 10/101,492 US Pat No. 6,884,327 | ISSUED - 4/26/05 | T. Pan, R. Demaray, Y. Chen, Y. Xie, R. Peth | Mode size converter for a planar waveguide | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 020035 / 0110 20134 / 0102 | 10/30/2007 11/19/2007 |
| 43668.17 | 10/101,863 US Pat No. 7,378,356 | ISSUED - 5/27/08 | H. Zhang, M. Narasimhan, R. Mullapudi, R. Demaray | Biased pulse DC reactive sputtering of oxide films | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 014766 / 0601 20134 / 0102 | 12/2/2003 11/19/2007 |
| 43668.21 | 10/954,182 US Pat No. 7,381,657 | ISSUED - 6/30/08 | H. Zhang, M. Narasimhan, R. Mullapudi, R. Demaray | Biased pulse DC reactive sputtering of oxide films | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 014766 / 0601 20134 / 0102 | 12/2/2003 11/19/2007 |
| 43668.19 | 11/228,834 US Pat No. 7,544,276 | ISSUED - 6/9/09 | H. Zhang, M. Narasimhan, R. Mullapudi, R. Demaray | Biased pulse DC reactive sputtering of oxide films | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 014766 / 0601 20134 / 0102 | 12/2/2003 11/19/2007 |

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| 43668.20 | 11/228,717 U.S. Pat No. 7,413,998 | ISSUED - 8/19/08 | H. Zhang, M. Narasimhan, R. Mullapudi, R. Demaray | Biased pulse DC reactive sputtering of oxide films | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 014766 / 0601 20134 / 0102 | 12/2/2003 11/19/2007 |
| 43668.25 | 10/789,953 US Pat No. 7,205,662 | ISSUED - 4/17/07 | M. Narasimhan, P. Brooks, R. Demaray | Dielectric Barrier Layer Films | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 014948 / 0111 20134 / 0102 | 08/05/2004 11/19/2007 |
| 43668.32 | 11/228,805 US Pat No. 7,262,131 | ISSUED - 8/28/07 | M. Narasimhan, P. Brooks, R. Demaray | Dielectric Barrier Layer Films | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 014948 / 0111 20134 / 0102 | 08/05/2004 11/19/2007 |
| 43668.34 | 10/851,542 US Pat No. 7,238,628 | ISSUED - 7/3/07 | R. Demaray, H. Zhang, M. Narasimhan, V. Milonopoulou | Energy Conversion and Storage Devices by Physical Vapor Deposition of Titanium and Titanium Oxides and Sub-Oxides | SpringWorks LLC | From Inventors to Symmorphix From Symmorphix to SpringWorks LLC | 014948 / 0097 20134 / 0102 | 8/5/2004 11/19/2007 |

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